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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/810,302	03/16/2001	Rasheed O. Yusuf	00-1020	00-1020 9105	
42645 75	590 04/26/2005		EXAMINER		
PHOENIX TECHNOLOGIES LTD.			WANG, ALBERT C		
915 MURPHY RANCH ROAD MILPITAS, CA 95035			ART UNIT	PAPER NUMBER	
•			2115	<u>-</u>	
			DATE MAILED: 04/26/200:	DATE MAILED: 04/26/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

1				
	Application No.	Applicant(s)		
Supplemental Notice of Allowability	09/810,302			
Notice of Allowability	Examiner	Art Unit		
	Albert Wang	2115		
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this appropriate communication IGHTS. This application is subject to and MPEP 1308.	plication. If not included n will be mailed in due course. <b>THIS</b>		
1. This communication is responsive to interview April 20, 20	<u>05</u> .			
2. The allowed claim(s) is/are 2-11, renumbered as 1-10.				
3. $\boxtimes$ The drawings filed on <u>16 March 2001</u> are accepted by the	Examiner.			
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).  * Certified copies not received: ☐ Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	e been received. e been received in Application No cuments have been received in this of this communication to file a reply	national stage application from the		
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv				
<ul> <li>6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.</li> <li>(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached</li> <li>1) hereto or 2) to Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).</li> <li>7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.</li> </ul>				
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	6. ⊠ Interview Summary Paper No./Mail Da	ate <u>20050420</u> .		
Paper No./Mail Date  4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material	9. ☐ Other SUPERVI	ent of Reasons for Allowance THOMAS LEE SURY PATENT EXAMINER OLOGY CENTER 2100		

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04)

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Loren McRoss (Reg. No. 40,427) on April 20, 2005.

Claims 4 and 8 in the application has been amended as follows:

4. (Currently Amended) A method of delivering a payload to a storage device of a computer system comprising a payload delivery application, a basic input/output system (BIOS) that provides interrupt 13h services, a disk operating system (DOS) including a DOS filing system, and an interrupt (Int) 21h read only memory (ROM) client loader, the method comprising the steps of:

turning on the computer system to initiate a power-on-self-test (POST) procedure; saving an [the] interface to the storage device;

hooking the [an] interface to the storage device using the Int 21h ROM client loader during the POST procedure;

loading the disk operating system at the conclusion of the POST procedure; calling the storage device interface from the disk operating system;

calling the payload delivery program using the Int 21h ROM client loader in response to the storage device interface call;

executing the payload delivery program to deliver the payload to the storage device; and

after payload loading is complete, restoring the stored storage device interface with the Int 21h ROM client loader.

8. (Currently Amended) A method of delivering a payload to a storage device of a computer system, comprising the steps of:

configuring the computer system to have a payload delivery application for delivering the payload to the storage device, a disk operating system (DOS) including a DOS filing system, a filing system interface for interfacing between the payload delivery application and the DOS filing system for performing open, close, read and write tasks on the storage device, a basic input/output system (BIOS) that provides interrupt 13h services that interfaces with the DOS filing system, and an Int 21h read only memory (ROM) client loader (RCL) comprising Int 21h RCL startup code and Int 21h RCL run-time code;

turning on the computer system to initiate a power-on-self-test (POST) procedure; running the Int 21h RCL startup code late in the POST procedure; saving an [the] interface to the storage device;

hooking the [an] interface to the storage device with the startup code so that the Int 21h RCL run-time code can get called;

loading the disk operating system at the conclusion of the POST procedure; starting the Int 21h RCL run-time code;

calling the storage device interface from the disk operating system;

calling the payload delivery program using the RCL run-time code in response to the storage device interface call;

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executing the payload delivery program to deliver the payload to the storage device; and

after payload loading is complete, restoring the stored storage device interface with the

Int 21h ROM client loader run-time code.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Albert Wang whose telephone number is 571-272-3669. The

examiner can normally be reached on M-F (9:30 - 6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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April 20, 2005

SUPERVISURY PATENT EXAMINER TECHNOLOGY CENTER 2100